

WHAT IS CLAIMED IS:

1. A thermostat mounting structure comprising:
 - a coolant channel formed in a casing;
 - an embedding hole formed in the casing across the coolant channel;
 - a thermostat including a cylindrical valve body with a surrounding wall including an entry aperture and an exit aperture;
 - a valving element for advancing and retracting for selectively opening and closing the entry aperture and the exit aperture;
 - said thermostat being inserted into the embedding hole so that both apertures face the coolant channel;
 - a cover member for covering the embedding hole via a circular rubber seal seated in a groove of the cover member and for fixing the thermostat; and
 - a positioning structure for positioning the thermostat to a side of the cover member.
2. The thermostat mounting structure according to claim 1, wherein the positioning structure positions the thermostat by engagedly supporting an aperture end of the cylindrical valve body.
3. The thermostat mounting structure according to claim 2, wherein the positioning structure positions the thermostat by inserting a joint into an inside periphery of an aperture end of the cylindrical valve body.

4. The thermostat mounting structure according to claim 3,
wherein the joint is a circular rib; and
wherein the rib is inserted along an inner peripheral surface of an aperture
end of the cylindrical valve body to position the thermostat.
5. The thermostat mounting structure according claim 2, wherein the
positioning structure is formed on the cover member.
6. The thermostat mounting structure according claim 3, wherein the
positioning structure is formed on the cover member.
7. The thermostat mounting structure according claim 4, wherein the
positioning structure is formed on the cover member.
8. The thermostat mounting structure according claim 1, wherein the
valve body includes a first end for mating with an interior surface of the embedding
hole and a distal end for mating with said positioning structure for enabling said
thermostat to be accurately positioned within said embedding hole.
9. The thermostat mounting structure according claim 8, and further
including ribs extending from the first end of said valve body for forming a slot, an
O-ring being positioned within said slot for dividing in two the outside periphery of
the valve body.
10. A thermostat mounting structure comprising:
a coolant channel formed in a casing;
an embedding hole formed in the casing and extending across the coolant

channel;

a thermostat including a valve body with a surrounding wall having an entry aperture and an exit aperture;

a valving element for advancing and retracting for selectively opening and closing the entry aperture and the exit aperture;

said thermostat being inserted into the embedding hole so that the entry aperture and the exit aperture face the coolant channel;

a cover member for covering the embedding hole and for fixing the thermostat to a side of the cover member for accurately positioning the thermostat within the embedding hole.

11. The thermostat mounting structure according to claim 10, wherein the positioning structure positions the thermostat by engagedly supporting an aperture end of the cylindrical valve body.

12. The thermostat mounting structure according to claim 11, wherein the positioning structure positions the thermostat by inserting a joint into an inside periphery of an aperture end of the cylindrical valve body.

13. The thermostat mounting structure according to claim 12,
wherein the joint is a circular rib; and
wherein the rib is inserted along an inner peripheral surface of an aperture end of the cylindrical valve body to position the thermostat.

14. The thermostat mounting structure according claim 11, wherein the positioning structure is formed on the cover member.

15. The thermostat mounting structure according claim 12, wherein the positioning structure is formed on the cover member.

16. The thermostat mounting structure according claim 13, wherein the positioning structure is formed on the cover member.

17. The thermostat mounting structure according claim 10, wherein the valve body includes a first end for mating with an interior surface of the embedding hole and a distal end for mating with said positioning structure for enabling said thermostat to be accurately positioned within said embedding hole.

18. The thermostat mounting structure according claim 17, and further including ribs extending from the first end of said valve body for forming a slot, an O-ring being positioned within said slot for dividing in two the outside periphery of the valve body.